

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

a Claim 1 (Currently Amended): A device for detecting visible fluorescence emitted from a fluorescent-labeled sample comprising:

(a) a light source which produces incident light;

(b) an exciter filter or bandpass filter through which the incident light passes to

(c) a dichroic beamsplitter which reflects all incident light of a predetermined wavelength to a sample;

(d) a barrier filter or longpass filter through which light from the beamsplitter contacts

(e) an achromatic lens ~~between~~ along a line of sight and the ~~long pass~~ longpass filter or the barrier filter.

Claim 2 (Original): The device according to claim 1 wherein the light source is selected from the group consisting of mercury vapor lamps, tungsten halogen lamps, xenon lamps, lasers, and combinations thereof.

Claim 3 (Currently amended): A device for detecting visible fluorescence emitted from a fluorescent-labeled sample comprising:

(a) a light source which produces incident light;

(b) a light guide to transmit light from the light source to an excitation or bandpass filter;

(c) a dichroic beamsplitter which reflects all incident light of a predetermined wavelength to a sample;

(d) a longpass filter or barrier filter ~~through~~ through which light from the beamsplitter is transmitted to a line of sight.

Claim 4 (Original): The device according to claim 3 wherein the light guide is a fiber optic light guide.

Claim 5 (Currently amended): The device according to claim 3 wherein the dichroic beamsplitter and the longpass filter or barrier filter are housed in a single fluor-cluster filter housing positioned at the tip of the light guide.

Claim 6 (Currently amended): A method of examining a sample to detect fluorescence comprising:

contacting said sample with incident light which has been transmitted through a dichroic beamsplitter which

reflects all incident light of a predetermined wavelength to
the sample containing a fluorochrome; ~~and~~

transmitting light through a barrier filter or
longpass filter; and

observing light emitted from the specimen through
the ~~beamsplitter~~ barrier filter or longpass filter.

Claim 7(Original): The method according to claim 6
wherein the fluorochrome is calcein.

Claim 8(Original): The method according to claim 6
wherein the sample is a live animal.

Claim 9(Original): The method according to claim 8
wherein the animal is a salmon.

Claim 10(Currently amended): The method according
to claim 8 wherein the barrier filter or longpass filter is
located in eyeglasses.
